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Annual Report

OF THE

Medical Officer of Health

FOR

1947.

Leamington Spa:
T. J. KENNARD, 118, WARWICK STREET.

BOROUGH OF ROYAL LEAMINGTON SPA.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1947.

H. GIBBONS WARD, M.D., D.P.H.

Leamington Spa:
T. J. KENNARD, 118, WARWICK STREET.

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BOROUGH OF ROYAL LEAMINGTON SPA.

HEALTH COMMITTEE.

Alderman H. MASON, M.B., M.R.C.S., L.R.C.P., L.S.A., J.P. (Chairman).

The MAYOR (Councillor G. PURCELL, J.P.)

Alderman C. DAVIS.

,, J. A. E. DURHAM.

Councillor Mrs. R. P. P. BARKER.

,, E. A. BAXTER.

,, L. G. CLAYTON, B.A. (OXON), M.R.C.S., L.R.C.P.

,, W. R. DUCKWORTH.

,, B. A. FETHERSTON-DILKE, M.B.E., M.A., M.B., B.Ch., M.R.C.P., M.R.C.S., J.P., C.C.

,, Mrs. M. HUGHES.

,, ELIZABETH L. MOORE.

,, L. D. OVERELL.

,, V. R. O'CONNOR, L.R.C.P. & S.I., L.M., D.P.H.

,, G. P. STUBBS.

,, W. H. WALLSGROVE.

MATERNITY AND CHILD WELFARE SUB-COMMITTEE

Councillor ELIZABETH L. MOORE (Chairman).

The MAYOR.

Alderman H. MASON, M.B., J.P.

Councillor L. G. CLAYTON, B.A. (OXON), M.R.C.S., L.R.C.P.

,, Mrs. M. HUGHES.

,, V. R. O'CONNOR, L.R.C.P.I., D.P.H.

,, G. P. STUBBS.

Co-opted Members:

Mrs. E. RIMMER.

,, M. RATCLIFF, J.P.

,, J. D. STAITE.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

(a).—MEDICAL. 1. Whole Time:

Medical Officer of Health, Medical Officer for Maternity and Child Welfare and Medical Superintendent of the Warwick Joint Hospital Board:

E. R. GILMORE, M.D., Ch.B., D.P.H. (Manch.), D.P.H. (Lond.), D.T.M. (Liverp.).

H. GIDBONS WARD (from October 13th, 1947).

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2. Part Time:

Consulting Obstetric Surgeon:

G. G. ALDERSON, B.A., M.B., B.Ch., F.R.C.S. Eng.

Orthopædic Surgeon:

F. WILSON STUART, M.D., Ch.M.

(b).—OTHERS. 1. Whole Time.

Sanitary Inspectors:

G. H. HAMMOND.*‖ A. J. SMITH.*x

Temporary Clerk: A. H. STALWORTH.

Inspector under the Shops Acts: J. H. BOOTH.

Matron of No. 1 Day Nursery: Miss M. J. BOONE ℘

Matron of No. 2 Day Nursery: Mrs. F. FINCH ¶ o

Health Visitors:

Miss L. NORMINGTON†‡¶$

Miss M. GRIFFITHS †‡¶ (also School Nurse).

Miss G. O. MASKELL ,, ,, ,,

Clerks: S. BUCKLEY (also for School Medical Department),

,, Miss R. NEWINGTON ,, ,,

,, Miss H. I. STEVENSON ,,

Disinfector: W. JACKSON.

Rat Catcher: J. H. BUCKLEY.

2. Part Time:

Public Analyst:

F. G. D. CHALMERS, M.A., B.Sc., F.I.C.

Veterinary Inspector: W. P. STOKES, M.R.C.V.S.

* Inspector's Certificate of Royal Sanitary Institute.
† Health Visitor's Certificate of Royal Sanitary Institute.
‖ Certificate of Royal Sanitary Institute for Inspecting Meat and other Foods.
¶ Three Years General Trained Nurse.
‡ Certificate of the Central Midwives' Board.
$ Certified Fever Nurse.
x A.R.P.S
o Mental Trained.
℘ State Registered Children's Nurse.

Public Health Department,
Hamilton House,
Leamington Spa.

October, 1948.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

Herewith the Annual Report of the Medical Officer of Health for 1947 ; the difficulties of preparing the Report are well-known to you and I feel sure you will make allowances for any shortcomings that may be found.

The loss the Health Department sustained by the death of Dr. Gilmore was a severe one, he had been Medical Officer of Health for ten years and had given faithful service to the town. Dr. Gilmore's great knowledge of Infectious Diseases had always been at the service of Medical Practitioners, who availed themselves freely of his help in diagnosis. Personally I received nothing but kindness from Dr. Gilmore and our co-operation was close and friendly.

I would wish to acknowledge the kindness of the Health Committee; and to thank my colleagues in other departments for their ready and kindly co-operation and help.

It is a pleasure to put on record the loyalty of the various members of the staff of the Health Department without which it would have been impossible to carry out the work that has been done. Mention should also be made of the extremely valuable assistance given by Voluntary Workers in the Clinics.

I am, Mr. Chairman, Ladies and Gentlemen,

Yours obedient servant,

H. GIBBONS WARD,
Medical Officer of Health.

VITAL STATISTICS FOR THE YEAR 1947.

Estimated Population, June, 1947	35,170
Natural Increase of Population, 1947	203
Birth-rate	19·5 per 1,000
Death-rate (Crude)	13·5 ,,
Death-rate (corrected for Age and Sex Constitution. Standardising factor of 1931) ...	12·3 ,,
Infantile Mortality, per 1,000 Births	26
Zymotic Death-rate	0·14 ,,
Pulmonary Tuberculosis Death-rate	0·57 ,,
Other Tuberculosis Death-rate	0·11 ,,
Cancer Death-rate	2·36 ,,
Average Age at Death	66 years.
Density of Population per Acre...	12·4

STATISTICS OF THE BOROUGH.

Area (in acres)	2,833
Number of Inhabited Houses, as at 31-12-47 ...	9,411
Number of Private Families (Census, 1931) ...	9,143
Rateable Value	£328,239
Sum represented by a penny rate	£1,303

EXTRACT FROM VITAL STATISTICS OF YEAR.

	Total.	Males.	Females.
Live Births—Legitimate	634	335	299
Illegitimate	53	23	30
Birth-rate	19·5		
Still Births—Rate per 1,000 total births,	27·7		
Deaths	484	225	259
Death-rate ...	13·8		

Number of Women dying in or in consequence of Child-Birth—

From Sepsis	1
From other Causes...	–
Maternal Mortality-Rate (per 1,000 Total Births —Live and Still)	1·4

Deaths of Infants under 1 year of age per 1000—

Legitimate Births	25·3
Illegitimate do.	37·7
Total Births	26

BIRTHS.

687 Births (increase of 25) were registered during 1947.

ILLEGITIMATE BIRTHS.

53 Illegitimate Births were registered during the year of which 23 were males and 30 females.

Below are the comparative figures for the last decennium :—

Year.	All Births.	Illegitimate Births.	Illegitimate Birth-rate.	Percentage of all Births.
1937	385	14	·46	3·6
1938	364	22	·73	6·0
1939	411	16	·52	3·8
1940	415	21	·63	5·0
1941	567	38	1·0	6·7
1942	535	36	·96	6·7
1943	585	46	1·27	7·6
1944	664	73	2·06	11·0
1945	650	91	2·66	14·0
1946	662	65	1·87	9·8
1947	687	53	1·43	7·7

CAUSES OF DEATH IN LEAMINGTON SPA IN 1947.

(From General Register Office, Somerset House).

	Causes of Death.	Males.	Females.
	All Causes	225	259
1	Typhoid and Paratyphoid Fevers	—	—
2	Cerebro-Spinal Fever	—	—
3	Scarlet Fever	—	—
4	Whooping Cough	1	—
5	Diphtheria	—	—
6	Tuberculosis of Respiratory System	11	9
7	Other Forms of Tuberculosis ...	1	3
8	Syphilitic Diseases	2	1

	Causes of Death.	Males.	Females.
9	Influenza	1	—
10	Measles	3	—
11	Acute Poliomyelitis and Polio-Encephalitis	—	—
12	Acute Infectious Encephalitis	—	—
13	Cancer of b. cav. & Oesoph. (M) Uterus (F)	3	6
14	Cancer of Stomach and Duodenum	12	6
15	Cancer of Breast	—	13
16	Cancer of all other Sites ...	25	18
17	Diabetes...	—	1
18	Intra-cran. Vasc. lesions ...	22	36
19	Heart Disease	54	73
20	Other Diseases of Circulatory System	12	20
21	Bronchitis	11	12
22	Pneumonia	14	17
23	Other Respiratory Diseases ...	4	3
24	Ulcer of Stomach or Duodenum	5	—
25	Diarrhœa (under 2 years) ...	1	1
26	Appendicitis	—	—
27	Other Digestive Disturbances	2	6
28	Nephritis	7	9
29	Puerperal and post-abort : Sepsis	—	1
30	Other Maternal Causes ...	—	—
31	Premature Birth	5	—
32	Con : Mal : birth inj : infant : dis :	3	2
33	Suicide	—	1
34	Road Traffic Accidents ...	5	3
35	Other Violent Causes	3	7
36	All other Causes	18	9

The average age at death was 66 as compared with 63 the previous year.

The 313 deaths of persons over 65 years are analysed as follows :—

Age at Death : 65-75.	75-85	85 and over.
131	131	51

INQUESTS.

41 Inquests were held. The findings of the Jury were as follows :—

Inattention at Birth	1
Accidental Deaths	7
Natural Causes	16
Death by Mis-adventure	14
Stillborn	1
Manslaughter	2

STILL-BIRTHS.

19 Still-Births were registered during the year, 9 males and 10 females.

The percentage of Still-Births to Live-Births was 2·8.

INFANTILE MORTALITY.

The infantile mortality rate was 26. The figure for the 148 smaller towns (adjusted populations, 25,000 to 50,000) was 36, whilst that for England and Wales as a whole was 41.

Care of Premature Infants (Circular 20/44)

It will be seen on page 9 that the cause of death in 5 instances was attributed to prematurity.

At the beginning of 1945, amended birth notification forms were sent to the Warneford Hospital, Nursing Homes and Midwives requesting information as to birth weight of infant and whether full time or premature. The hospital has continued to advise the Department when a premature infant is discharged home. By this means it is followed up with the least possible delay.

GENERAL PROVISION OF HEALTH SERVICES IN THE BOROUGH.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

A list of the Staff with their qualifications will be found at the beginning of the Report.

LABORATORY FACILITIES.

The following Examinations were made at Birmingham University during 1947:—

	Positive	Negative	Total
SWABS (from throat or nose), examined for Diphtheria	11	40	51

AMBULANCE FACILITIES.

This service was transferred to the County Council on 9th June, 1947.

MATERNITY AND CHILD WELFARE.

Midwifery and Maternity Services.

The Midwives are under the control of the Warwickshire County Council. The Municipal Midwives operate from the Warneford Hospital.

Institutional Provision for Mothers or Children.

The arrangements with the Warneford Hospital for the admission of maternity cases remains the same as in previous years. In 1947, 20 women were so admitted under the Council's scheme.

1 death occurred during the year in consequence of child-birth.

Ante-natal Clinic.

The total number of attendances made by 445 women at the Ante-natal Clinic at the Warneford Hospital during the year was 2,045, an average of 4·6 attendances per patient. The figures for the previous year were 816 and 2,182 respectively.

HEALTH VISITORS.

5,612 visits were paid to infants and 5,269 to children between the age of 1 and 5 years, 406 visits were attributable to General Health Visiting and 581 visits no access was gained.

245 visits were paid to expectant mothers as compared with 249 the previous year.

INFANT WELFARE CENTRES.

Hamilton House. Weekly sessions were held on Friday afternoons as previously, with an additional session for weighings on Wednesday afternoons. In addition mothers attended daily between 9 and 10-30 a.m. for test feeds, minor ailments and advice by the health visitors. The morning attendances numbered 769 for babies and 721 for toddlers, the total being 1,490.

The total number of infants and toddlers examined by Doctor during the twelve months was 592. Weighings numbered 5,034 giving an average of 101 children weighed weekly.

Of the 632 births notified during 1947, 408 infants attended the Welfare Centre, representing 65% of all the births in the town as compared with 62% the previous year and 63% in 1945.

Dried Milk Distribution. 17,427 tins and packets sold at cost price from the main and branch centres.

Lillington. Weekly sessions were held on Thursday afternoons. Attendances numbered 2,010 as compared with 2,042 for 1946, the average per session being 40, a decrease of 32 on the previous year.

The sale of food from this centre which commenced from the beginning of 1944 continued to operate.

VITAMIN SUPPLEMENTS. The take up of cod-liver oil, orange juice, and A & D tablets has not been satisfactory for this area. Efforts continue to be made to encourage mothers to use the facilities.

CHILD LIFE PROTECTION.

The number of Infant Protection Visitors is 3, all being Health Visitors of the Local Authority.

The number of persons on the Register who were nursing hcildren for reward at the end of the year was 5.

During 1947, 1 person notified that she had undertaken the charge of children. 1 child was transferred to its own parents. 6 children were left on the register at the end of the year.

45 visits were paid to Foster children by the Health Visitors.

ULTRA VIOLET LIGHT CLINIC.

This was held as previously on two mornings weekly at Hamilton House.

ORTHOPÆDIC TREATMENT.

During the year under the arrangement with the Warneford Hospital 59 cases received treatment, 43 of which were children under school age. In addition, early cases of rickets were treated at the Council's Ultra-Violet Light Clinic, and cod liver oil, splints, and surgical boots and irons provided for necessitous cases free of cost. There need be no cases of Rickets these days if parents will make use of the facilities available, and see that their children take cod liver oil regularly.

MATERNITY AND NURSING HOMES.

On 31st December, 1947, there were 7 Nursing Homes on the register including the Warneford Hospital.

Number of patients provided for:—

	Number of Homes	Maternity beds	Others	Total
Homes first registered during the year	—	—	—	—
Homes on the register at the end of the year	7	26	40	66

A Certificate of exemption from registration was granted to the Royal Midland Counties' Home during the year.

DAY NURSERIES.

	Nursery No 1	Nursery No. 2
Number of attendances of under two's	2011	2866
Number of attendances of tweenies ...	7691	7473
Number of days open during the year	279	279
Number on Register—Maximum ...	72	67
Number on Register—Minimum ...	61	58

BRITISH RESTAURANT.

The British Restaurant again performed a very useful function in helping to feed the public.

SANITARY CIRCUMSTANCES OF THE AREA.

WATER.

The sources of the Town's water were as described for previous years, supplemented to a small extent by supplies from outside the Borough.

The following information was requested by Circ. 170/47 from the Ministry of Health :—

1. The water supply has been satisfactory in quality and quantity, although care has been exercised not to waste water.

2. Bacteriological and chemical analyses are made monthly of the well waters and weekly of the filtered river water.

3. The water is not excessively plumbo-solvent and no special precautions are taken against this.

4. Chlorination plants are installed at all sources of supply to counter any form of contamination. The chlorination dose is increased or decreased according to circumstances.

5. Except for a few houses supplied by stand pipe all the population is supplied direct.

CHEMICAL ANALYSIS OF RIVER WATERS
(June, 1946.)

	Unfiltered River Water.	*Filtered River Water.*
Free and Saline Ammonia ...	0·0044 ...	0·0006
Albuminoid Ammonia ...	0·0288 ...	0·0128
Chlorine in Chlorides	2·9 ...	3·3
Nitrogen in Nitrates) Nitrogen in Nitrites) ...	0·10 ...	0·10
Oxygen absorbed from Permanganate at 80° F. in 4 hours	0·230 ...	0·074

	Unfiltered River Water.	*Filtered River Water.*
Total Solids dried at 100° C.	83	86
Appearance	Slightly turbid many small particles	Bright & Clear
Hardness (Temporary ...	12·0	9·2
Hardness (Permanent ...	32·0	34·8
Hardness (Total ...	44·0	44·0
Free Chlorine	0	0·04
Metals	Absent	Absent

Conditions of Filtration Plant—

Time and Date of sample: 10-15 a.m., 18th June, 1947.

Position at which taken: Filter House.

Rate of Filtration: 13,000 g.p.h.

Alumina Dose: 3·84 g.p.h.

Whether or not dosed with chlorine before settling: Yes 0·60 p.p.h.

Chlorine dose after filtration: Nil lbs. p.h.

Residual chlorine after 20 minutes: 1·7 p.p.m.

Remarks: River fair. Hazen units—less than 5 units. Turbidity 2 p.p.m.

Alkalinity as CO_3	14·4	12·5
$_pH$ value	7·9	7·4
Dissolved CO_2	0·64	1·60
Nitrite	Trace	Absent

1. New mains laid in 1947:—

	Yards.
Town Water Mains	2560
River Water Mains	Nil

2. Amount of Water pumped in 1947:—

Corporation Source.	*Gallons.*
From Campion Terrace	156,198,000
,, Lillington	104,004,000
,, Brewery Well	54,574,000
,, River (unfiltered)	112,383,000
,, River (filtered)	104,147,000

Outside Sources.

From Warwick T.C.	Nil
,, Warwick R.D.C.	25,648,000
Water supplied to Warwick R.D.C. ...	8,827,000

3. Daily consumption of Town Water per head ... 31·84 galls.
River Water supplied to Residents per head ... 4·26 ,,
ditto including that to Railway Companies 8.01 ,,

The Manager of the Pump Rooms reports that the small swimming bath was again kept open during the Winter months. The total number of those using both baths during the twelve months ended 31st December, 1947, was 100,288. The average attendance per week during the Summer season (May to September) was 3,410, and during the Winter season, 806.

There are no privately-owned swimming baths or pools in the area open to the public. Frequent bacteriological and chemical examinations of the swimming baths water were made during the year and proved satisfactory.

RIVERS.

Sources of pollution both inside and outside the Borough were kept under observation and ameliorative action taken as far as practicable.

DRAINAGE AND SEWAGE.

A full report of the Sewage Disposal Scheme, which is by means of Settlement Tanks and Filters on land at Heathcote, was contained in the report for 1929. During the year, the general character of the sewage effluent was satisfactory, and no complaints were received.

CLOSET ACCOMMODATION.

With the exception of a few cottages in the Lillington district, the houses throughout the town are supplied with water closets.

SCAVENGING.

Approximately 8,737 tons of refuse were collected and received at the Destructor, as compared with 8,636 the previous year.

CASES OF INFECTIOUS DISEASES NOTIFIED DURING THE YEAR 1947.

TABLE I.

Notifiable Disease.	No. of Cases notified								Total cases removed to Hospital	Total Deaths
	At all Ages	At Ages—Years								
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 & upwards		
Small-pox	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous Croup) ...	24	...	5	16	1	2	...	...	23	...
Erysipelas	5	...	...	...	...	1	3	1	...	...
Scarlet Fever	28	...	2	24	1	1	...	...	23	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Pneumonia	25	3	4	4	2	5	5	2	...	21
Malaria	...	...	...	...	...	...	...	...	...	...
Dysentry	7	1	6	...	...	...	...	...	7	...
Puerperal Pyrexia ...	16	...	...	...	6	10	...	...	16	1
Cerebro-spinal Meningitis ...	2	...	...	...	...	1	1	...	2	...
Poliomyelitis	5	...	1	3	1	...	...	...	4	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum ...	2	2	...	...	...	...	...	...	1	...
Polio-Encephalitis	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	56	...	...	2	9	24	17	4	...	20
Other forms of Tuberculosis	8	1	...	2	1	2	2	...	...	4
Totals ...	178	7	18	51	21	46	28	7	76	46

Reference to Table I. will show the incidence of Infectious Diseases in age group.

DIPHTHERIA.—The notifications numbered 24, 23 cases were admitted to Hospital.

DIPHTHERIA IMMUNISATION—139 children of school age received two subcutaneous inoculations of A.P T. (Alum Precipitated Toxoid). In addition 246 children between the ages of 1 and 5 years completed the course during the year.

PNEUMONIA.—Notifications of this disease were as follows :—

Acute Primary Pneumonia, 21 ; Influenzal Pneumonia, 4.

Broncho-Pneumonia is not notifiable, unless of course it is tuberculous.

MEASLES.—This was made a notifiable disease in October, 1939. Officially notified, 202, compared with 12 the previous year.

WHOOPING COUGH.—46 cases were notified during 1947. This disease, like Measles, was also made notifiable in 1939.

TUBERCULOSIS.

Age-Periods.	New Cases.				Deaths.			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0 ...	—	—	—	1	—	—	—	—
1-5 ...	—	—	—	—	—	—	—	—
5-10 ...	—	—	1	—	—	1	—	1
10-15 ...	—	1	—	1	—	—	1	—
15-20 ...	2	3	—	—	—	—	—	—
20-25 ...	6	4	—	2	—	2	—	1
25-35 ...	4	5	—	1	—	1	—	—
35-45 ...	5	5	—	1	2	1	—	1
45-55 ...	6	5	—	—	4	2	—	—
55-65 ...	5	1	—	1	4	1	—	—
65 & upwards	4	—	—	—	2	—	—	—
Totals	32	24	1	7	12	8	1	3

Of the 24 cases who died in 1947, 12 were notified during the year.

Of the 1,573 cases notified since 1913, 752 are known to be dead, 195 are still under observation, and 662 have left the town or been removed from the register.

Death Rate per 1,000 :—

	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
Pulmonary Tuberculosis	·39	·48	·27	·40	·48	·47	·56	·56	·26	·57
Other forms of Tuberculosis	·06	·06	·15	·13	·10	—	·05	·11	·06	·11

OCCUPATIONS.

Aircraft Worker	1	Railwayman	1
Nil	14	Labourer	1
Clerks	6	School Children	4
Health Visitor	1	Watchman	1
Housewives	15	Domestic	2
Welder	1	Laundry	1
Tailor	1	Motor Drivers	2
Ex-R.A.F.	2	Maltster	1
Machine Operatives ...	3	G.P.O. Workers ...	2
Builder	1	Draughtsmen	2
Furnace Worker	1	Barmaid	1

Of the cases notified this year, 6 have left the town, 12 have died, and 45 remain under observation.

CONTROL OF TUBERCULOSIS.—Contacts are referred to the Tuberculosis Officer. Disinfectant is supplied on application, and the disinfection of premises is carried out whenever a patient dies or removes to another house.

TREATMENT.—This work comes under the County Scheme. 15 cases (11 males and 4 females) have been sent to Hertford Hill Sanatorium.

294 visits were paid to Tuberculosis cases by the Health Visitors.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1930.—The number of cases of Tuberculosis remaining on the Register of Notifications on 31st December, 1947, was as under:—

Pulmonary	Males, 96; Females, 58	195
Non-Pulmonary ...	Males, 20; Females, 21	

CANCER.

The deaths ascribed to Malignant Disease numbered 83, classified in age groups as follows:—

Age Group.	Male.	Female.	Total.
Under 20	—	—	—
20-30	—	—	—
30-40	—	1	1
40-50	1	5	6
50-60	8	9	17
60-70	13	7	20
70-80	12	14	26
80-90	6	6	12
90 and over	—	1	1
	40	43	83

For the past ten years the deaths have been as follows:—

	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
	71	62	55	78	79	75	60	66	75	83
Death Rate per 1,000	2·36	1·96	1·05	2·07	2·03	2.08	1·69	1·87	2·15	2·36

REPORT OF SANITARY INSPECTORS for the Year ending 31st December, 1947.

Number of complaints received, 670.

Number of Notices served:—Formal, 13; Informal, 304.

Number of Notices complied with, 241.

SUMMARY OF SANITARY WORK EXECUTED.

Total number of visits made to premises	2833
Visits in Relation to Notifiable Infectious Diseases... ...	65
Visits in Relation to Non-notifiable Infectious Diseases ...	39
Rooms fumigated	89
Rooms disinfested	91
Council houses treated with insecticide (rooms) ...	160
Steam disinfections	93
Books disinfected	54
Inspections of Factories (including Bakehouses, etc.) ...	313
" Food Shops and Premises	740
" Dairies and Cowsheds	150
" Offensive Trades Premises	33
" Common Lodging Houses	31
" Canal Boats	16
Samples of Food and Drugs taken for Analysis	145
Samples of Ice Cream taken for examination	16
Samples of Milk (Special Designations)	52
Number of Chemical Tests applied to Drains	19

DWELLING-HOUSES.

Total number repaired or otherwise made fit	220
Roofs repaired (house, scullery, W.C. etc.)	139
Floors repaired	45
Wall and ceiling plaster made good or renewed (rooms)	151
Rooms re-decorated or limewashed	157
Windows repaired and/or made to open	27

Sashcords renewed	16
Doors repaired or rehung	16
Firegrates repaired or reset	15
Stairs repaired	8
Flues to Chimneys repaired	7
Walls re-pointed	16

WASH-HOUSES AND SCULLERIES.

Coppers repaired	4
Rainwater Cisterns cleansed	7
Sink Waste-Pipes repaired or renewed	9
Paving of yards and passages repaired or renewed ...	7
Old stone sinks removed	6
New sinks provided	7

DRAINS AND WATER CLOSETS, ETC.

Obstructed Drains cleansed	34
Drains repaired or reconstructed...	14
Broken or foul W.C. Pans renewed	6
W.C.'s repaired or rebuilt	40
W.C. Pans cleansed	17
W.C.'s provided with new flushing apparatus	9
Flushing Apparatus repaired or renewed	17
Additional Gullies provided	5
Rain-water spouting repaired or renewed	48
Inspection chambers provided	3
Intercepting traps provided	1

ASHPIT ACCOMMODATION.

Number of new Ashbins provided	29

OTHER NUISANCES.

Accumulations removed	16
Smoke nuisances abated	1
Animals so kept as to be a nuisance	10
Premises cleansed	2

CANAL BOATS.

No. of Boats on Register on December 31st, 1947...	Nil
No. of Boats inspected during 1947	16
No. of Boats conforming to Acts and Regulations ...	12
No. of Boats infringing Acts and Regulations ...	4
No. of persons for whom Cabins were Registered ...	40½
Details of occupation—Male adults	14
,, ,, Female adults	12
,, ,, Children of school age ...	10
,, ,, ,, under school age...	3

SHOPS ACTS.

95 visits were made during the last quarter of the year, when Mr. A. J. Smith, Sanitary Inspector for District Number 2, was appointed Shops Acts Inspector for the Borough.

2 notices were served and complied with relating to offences against the provision of the Shops (Sunday Trading Restriction) Act 1936.

RATS AND MICE DESTRUCTION ACT, 1919. INFESTATION ORDER, 1943.

The systematic survey of premises in the Borough, initiated in 1946, was completed during the year and all infestations discovered were dealt with.

Under the Private Dwelling Scheme, whereby the public is given free service, 58 treatments were made. There were also 18 treatments to Business premises and 11 treatments to Corporation premises, making a total of 87 for the year.

A treatment of sewers was carried out in which 144 manholes were baited with a total computed kill of 575 rats.

HOUSING STATISTICS, 1947.

Remedy of Defects during the Year without Service of Formal Notices.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	207

Action under Statutory Powers during the Year:—

A. *Proceedings under Sections 9, 10, and 16 of the Housing Act, 1936.*

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	Nil.
(2) Number of dwelling-houses which were rendered fit after service of formal notices—	
(*a*) by owners	Nil.
(*b*) by Local Authority in default of owners	Nil.

B. *Proceedings under Public Health Acts.*

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	12
(2) Number of houses in which defects were remedied after service of formal notices—	
(*a*) by owners	11
(*b*) by Local Authority in default of owners	Nil.

C. *Proceedings under Sections 11 and 13 of the Housing Act, 1936.*

(1) Number of dwelling-houses in respect of which Demolition Orders were made	1
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	Nil.

D. *Proceedings under Section 12 of the Housing Act, 1936.*

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made 6

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ... ... Nil.

HOUSING.

Number of houses built in the town during 1947 :—

(a) By the Local Authority 26

(b) By private enterprise 11

The number of houses owned by the Corporation is 790.

„ „ „ Prefabricated Bungalows is ... 113.

Houses converted into two or more houses, or flats :—

Originally.	Now.
19 houses.	40 flats, 2 houses.

FOOD AND DRUGS ACT, 1938.
THE FOOD STANDARDS (GENERAL PROVISIONS) ORDER, 1944.

The following samples were taken and submitted to the Public Analyst for analysis :—

	Formal.	Informal.	Totals.
Baking Powder	—	3	3
Butter	—	15	15
Barley Flour	—	2	2
Bun Flour	—	2	2
Curry Powder	—	1	1
Camphorated Oil	—	3	3

	Formal.	Informal.	Totals.
Cheese	— ...	14 ...	14
Cooking Fat ...	— ...	13 ...	13
Cake Mixture ...	— ...	1 ...	1
Ginger	— ...	3 ...	3
Gelatine	— ...	2 ...	2
Glycerine	— ...	2 ...	2
Junket Powder ...	— ...	1 ...	1
Jelly Crystals ...	— ...	1 ...	1
Liquorice Powder ...	— ...	3 ...	3
Lard	— ...	2 ...	2
Lemon Crystals ...	— ...	1 ...	1
Lemonade Powder ...	— ...	1 ...	1
Milk	42 ...	6 ...	48
Mixed Spice	— ...	3 ...	3
Margarine	— ...	15 ...	15
Mustard	— ...	1 ...	1
Pudding Mixture ...	— ...	2 ...	2
Pancake Mixture ...	— ...	1 ...	1
Pepper	— ...	1 ...	1
Raising Powder ...	— ...	1 ...	1
Sponge Mixture ...	— ...	1 ...	1
Sage & Onion Stuffing	— ...	1 ...	1
	—	—	—
	42	103	145
	—	—	—

Of the 48 samples of Milk taken for analysis 46 were found to be satisfactory.

The two unsatisfactory samples of Milk which were deficient in Fat to the extent of 13% and 10% respectively, were obtained from the same vendor. This vendor was cautioned and subsequent samples from the same source were genuine.

All the other samples of food and drugs proved to be genuine.

The percentage of adulteration on the number of samples submitted was 1·3.

MILK AND DAIRIES ORDER, 1926,
and
MILK (SPECIAL DESIGNATIONS) REGULATIONS, 1936 to 1946.

Licences issued during the year under the Milk (Special Designations) Regulations, 1936 to 1946 :—

Licences to Pasteurise Milk	4
Supplementary Licences to sell Pasteurised Milk	1
Dealers' Licences to sell Tuberculin Tested Milk	27
,, ,, to sell Tuberculin Tested (Certified) Milk	1
,, ,, to sell Accredited Milk	2
,, ,, to sell Pasteurised Milk	6

Results of Samples taken under the Milk (Special Designations) Regulations.

Class of Milk	No. of Samples	Appropriate Tests	No. of Samples Passed	Failed
Pasteurised	26	Phosphatase	26	Nil
		Methylene Blue	26	Nil
Tuberculin Tested (Pasteurised)	15	Phosphatase	15	Nil
		Methylene Blue	15	Nil
Tuberculin Tested / Tuberculin Tested (Certified)	10	Methylene Blue	7	3
		Coliform	5	5
Accredited	1	Plate Count	1	Nil
		Methylene Blue	1	Nil
		Coliform	1	Nil

UNSOUND FOOD.

The following amounts of food were examined and either destroyed or used as animal feeding stuffs after inspection had shown that they were unfit for human consumption :—

Miscellaneous tinned foodstuffs ...	2,899 tins.
,, packaged ,, ...	59 packets.
Jam and Fruit	145 jars.
Pickles	71 ,,
Meat Pies	24
Eggs	361

	Cwts.	Qrs.	Lbs.
Fish	6	3	21
Meat		1	27½
Bread and Confectionery	1	1	6
Fruit	1	0	12½
Chocolate	1	1	9
Miscellaneous ...		1	19¼
	11	2	1¼

VENEREAL DISEASES TREATMENT SCHEME.

The responsible authority is the County Council.

DISINFECTION OF PREMISES, BEDDING, ETC.

Premises are disinfected after Scarlet Fever and Diphtheria cases, and also after other notifiable or non-notifiable infectious disease cases where the medical practitioner deems it necessary.

Bedding, etc., is conveyed in a specially adapted motor van to the Council's Steam Disinfector.

Books are treated by exposure to Formalin vapour.

Eradication of Bed Bugs.—During the year 91 rooms were treated for bed-bug infestation. One or other of the proprietary brands of liquid insecticide was used in each case, with, in some instances, the addition of vapour from the disinfestator blocks.

METEOROLOGICAL REPORT, 1947.

The recording of Meteorological observations in the Borough has been continued throughout the year.

I am indebted to Mr. A. H. Stalworth for the following statistics which are the result of his observations.

TABLE OF METEOROLOGICAL OBSERVATIONS, LEAMINGTON SPA, 1947.

Latitude 52° 18′ N. Longitude 1° 30′ W.

Month.	Means of Barom. 9 a.m.	AIR TEMPERATURES. Means. 9 a.m.	Means. Max.	Means. Min.	Absolute Temperatures. Max.	Date	Absolute Temperatures. Min.	Date.	EARTH TEMPERATURES. At 1 foot.	At 2 feet.	At 4 feet.	Direction of the prevailing Wind.	Rainfall. Inches.	Rainfall. Days.	Sunshine. Hours.
January ...	30·01	34·7	40·2	31·1	56	on 16th	15	on 29th	...	...	44·9	N.E.&S.W	1·58	15	49·7
February ...	29·80	27·8	32·0	24·4	42	,, 26th	4	,, 24th	...	...	43·1	E.	1·13	11	24·6
March ...	29·60	39·0	45·1	34·2	56	,, 22nd & 29th	7	,, 7th	...	...	40·9	S.W.	5·96	26	78·3
April ...	30·02	48·4	55·8	41·0	69	,, 16th	32	,, 5th	...	...	46·0	S.W.	1·59	15	140·7
May... ...	29·98	58·6	66·2	48·3	86	,, 29th & 31st	40	,, 17th	...	...	50·9	S.E.	1·51	10	162·4
June ...	29·95	62·4	70·1	52·4	89	,, 2nd	42	,, 13th	...	...	56·7	S.W.	1·17	10	188·7
July... ...	29·93	63·4	71·4	56·7	86	,, 27th	46	,, 12th	...	...	58·7	S.W.	2·59	15	147·5
August ...	30·17	68·1	79·4	55·4	88	,, 16th	45	,, 8th	...	...	62·3	S.W.	0·22	3	268·7
September ...	30·08	60·3	68·3	51·8	77	,, 15th	37	,, 30th	...	...	61·8	N.E.	1·60	12	150·5
October ...	30·19	51·1	59·3	43·2	69	,, 4th	30	,, 21st	...	...	57·5	E.	0·27	8	101·0
November ...	29·89	44·3	50·8	39·1	62	,, 21st	25	,, 28th	...	...	53·9	W.	1·47	14	71·8
December ...	30·00	41·3	46·1	37·6	56	,, 27th	20	,, 1st	...	...	49·4	W.	2·08	16	28·7
Totals ...	...	...	...	...	...	... ...	...	... ...	...	...	...	...	21·17	155	1412·6
Means ...	29·97	50·0	57·1	42·9	...		...		...	...	52·2	...	...	...	...

METEOROLOGICAL AVERAGES OF LEAMINGTON SPA.

For the 67 Years, 1881—1947.						For the 36 years, 1912 to 1947
Month.	Means of Barom. 9 a.m.	Air Temperature.		Rainfall.		Sunshine
		Max.	Min.	Inches.	Days.	Hours
January ...	29·93	44·5	34·1	2·20	16	41·6
February ...	29·96	45·0	34·3	1·62	13	57·8
March ...	29·95	50·1	36·1	1·67	14	99·9
April ...	29·94	54·5	39·1	1·91	15	134·5
May ...	29·95	62·8	44·7	1·98	13	177·4
June ...	30·03	67·7	49·6	1·57	12	188·0
July ...	29·94	70·3	53·5	2·41	15	167·3
August ...	29·88	69·7	52·9	2·27	14	163·9
September	30·00	64·6	48·5	2·06	12	121·0
October ...	29·95	57·4	42·5	2·26	15	93·4
November	29·89	48·9	37·3	2·33	15	51·1
December	29·91	45·6	36·1	2·25	16	34·8
Means and Totals ...	29·94	56·8	42·4	24·53	170	1330·7